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Electrochemical reduction of α,β-unsaturated diphosphonium salts on a mercury electrode

Berdnikov E., Tantasheva F., Morozov V., Il'yasov A., Vafina A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. Study has been made of the electrochemical reduction of the salts of trans-1,--diphosphonioethene on the dropping Hg electrode in protogenic and aprotic media. 2. It has been shown that stable radical anions result from the first, reversible one-electron stage of the reduction of disalts in aprotic media. A scheme is proposed to describe the reduction mechanism. © 1977 Plenum Publishing Corporation.

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